



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4  
ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, S.W.  
ATLANTA, GEORGIA 30303-8960

January 25, 2018

(b)(6)

SUBJ: EPA Asbestos Removal at 110 Potts Street

Dear (b)(6):

Enclosed, you will find the Removal Action Status Report for the property located at 110 Potts Street in Davidson, North Carolina. The report summarizes information regarding the original asbestos sampling, a description of the Removal Action conducted on the property, a summary of multimedia sampling results, details on the restoration of the property and the timeframe of the Removal Action. We have also included a figure of the removal area and the air sampling locations, a table of the air sampling results and photographs of the removal activities.

The removal activities have been completed and there are no further actions needed on the above-mentioned property. If you have any questions or need further information, please do not hesitate to contact Jordan Garrard, US EPA, Federal On-Scene Coordinator directly at (678) 644-8648, via email: [garrard.jordan@epa.gov](mailto:garrard.jordan@epa.gov) or myself directly at (678) 575-8132, via email: [miller.angela@epa.gov](mailto:miller.angela@epa.gov), at any time.

It was such a pleasure working with you and your community. Thank you for your cooperation and patience throughout the removal activities.

Sincerely,

Angela R. Miller, US EPA  
Community Involvement Coordinator

Enclosure(s)

cc: Jordan Garrard, US EPA, Federal On-Scene Coordinator  
Miguel Alvalle, NC DEQ

## REMOVAL ACTION STATUS REPORT DAVIDSON ASBESTOS

**Property Address:** 110 Potts Street, Davidson, Mecklenburg County, North Carolina

**Original Asbestos Sampling Information:** Surface soil samples were collected at a depth of 0 to 3 inches below ground surface (bgs) and subsurface soil samples were collected at a depth of 3 to 6 inches bgs. Analytical results are reported in increments of 0.25 percent asbestos. No asbestos was detected in analytical samples collected at the property; however, suspected asbestos-containing material (ACM) was observed in the footpath to the front door.

Property Address	Area Sampled	Surface Soil Results (percent asbestos) 0-3 inches deep	Subsurface Soil Results (percent asbestos) 3-6 inches deep
110 Potts Street	Front Yard	No Asbestos Detected	No Asbestos Detected
	Back Yard	No Asbestos Detected	No Asbestos Detected

**Description of Removal Action:** The soil was excavated to an approximate maximum depth of 12 inches in the lawn 2 inches around the tree and shrub line areas (see Appendix 1). Visual inspections of the areas excavated for ACM were conducted by a State of North Carolina-accredited asbestos inspector and air monitor. Additional removal was conducted in those areas where ACM were still visibly present. Once ACM was no longer visibly present, restoration of the excavated areas was allowed to commence.

**Summary of Multimedia Sampling Results:** Perimeter air sampling was conducted at two stationary locations during removal activities on July 10, 2017. Air sampling was conducted at these locations based on wind direction and removal activities. The analytical results were less than the limit of detection and ranged from less than 0.00065 fibers per cubic centimeter (f/cc) to less than 0.00083 f/cc (see Appendix 2). A 10-point composite soil sample was collected from the excavated areas before restoration began and the analytical result indicated no asbestos detected.

Perimeter air and composite soil samples were collected by a State of North Carolina-accredited air monitor with oversight from a State of North Carolina-accredited supervising air monitor (SAM).

**Restoration of Property:** Restoration work included installation of snow fencing on top of the subsurface of the excavated lawn area, backfill, topsoil, and sod in the majority of excavated lawn and tree line areas, and backfill and rock on top of the excavated lawn surface to construct a driveway along the northern portion of the area. On August 8, 2017, ER removed an approximate width of 3 feet from the northern side of the driveway and replaced it with mulch to construct a public pathway. All areas were restored to the original height of the surrounding grade.

**Time Frame of Removal Action:** Removal activities began on and were completed on July 10, 2017.

## **REMOVAL ACTION STATUS REPORT DAVIDSON ASBESTOS**

Appendices to this report include:

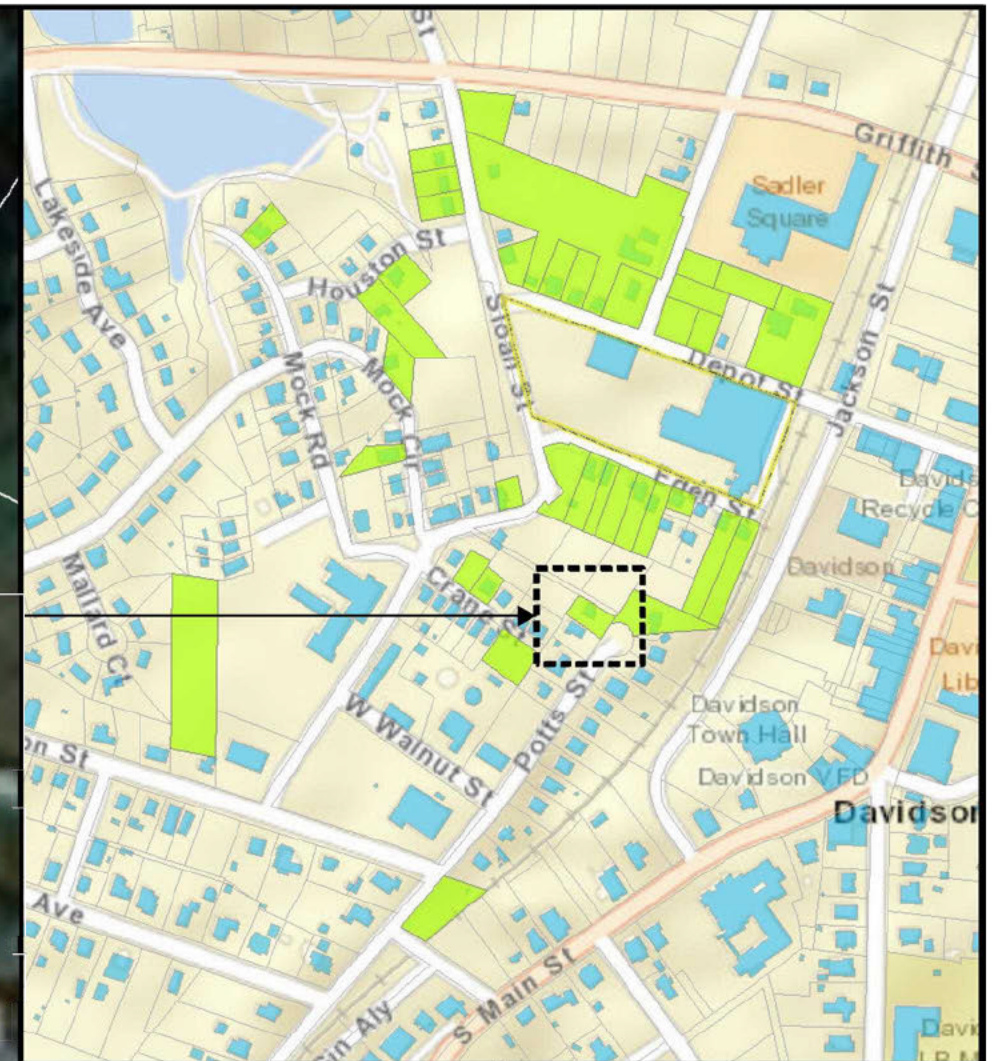
1. Figure of removal area and air sampling locations
2. Table of air sampling results
3. Photographic log of removal activities

## **APPENDIX 1**

### **FIGURE**

(One Page)



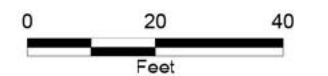


### Legend

- Air Sample
- Removal Area
- Parcel Boundary

### Inset Map

- Parcels with Removal Activities
- Building/Structure



Map Sources:  
Aerial Imagery, Bing Maps, 2012-2014;  
Parcels, <http://maps.co.mecklenburg.nc.us>



United States  
Environmental Protection Agency  
Region 4

### FIGURE 1

Removal Areas and  
Air Sampling Locations

TDD Name: Davidson Asbestos

TDD No.: TT-01-071

City: Davidson County: Mecklenburg State: North Carolina



Date:  
12/7/2017  
Analyst:  
dale.vonbusch

110 Potts Street



## **APPENDIX 2**

### **SUMMARY TABLE OF ANALYTICAL RESULTS**

(One Page)

**TABLE 1**  
**TRANSMISSION ELECTRON MICROSCOPY RESULTS**  
**DAVIDSON ASBESTOS**  
**DAVIDSON, MECKLENBURG COUNTY, NORTH CAROLINA**

Sample Id	Location	T	Pump No.	Time Start	Time Stop	Total (Min)	Pump Flow Rate (lpm)			Total Sample Volume (l)	PCM Results (f/cc)	Asbestos Fibers Detected	TEM Results in PCME (f/cc)
							Initial	Final	Average				
DA-110PS-AA-L01-071017	110 Potts Street - Location 1	AA	G1	9:26	16:12	406	10.40	9.91	10.16	4122.9	0.00083	0	<0.00083
DA-110PS-AA-L02-071017	110 Potts Street - Location 2	AA	G5	9:31	16:15	404	10.44	10.17	10.31	4163.2	0.00065	0	<0.00065

Notes:

<: Less than

AA: Area air sampling

DA: Davidson Asbestos

f/cc: Fibers per cubic centimeter

Id: Identification

l: Liters

lpm: Liters per minute

Min: Minutes

PCM: Phase contrast microscopy

PCME: Phase contrast microscopy equivalent

PS: Potts Street

TEM: Transmission electron microscopy

**APPENDIX 3**  
**PHOTOGRAPHIC LOG**  
(Six Pages)



**OFFICIAL PHOTOGRAPH NO. 1**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-071

**Location:** Davidson Asbestos

**Orientation:** Northeast

**Date:** July 10, 2017

**Photographer:** Paul Prys, Tetra Tech, Inc. (Tetra Tech)

**Witness:** None

**Subject:** The Emergency and Rapid Response Services (ERRS) contractor, Environmental Restoration, LLC (ER), used an excavator and hand tools to remove asbestos-containing materials (ACM) and asbestos-contaminated soil from the property located at 110 Potts Street. ER used hoses to wet the asbestos-contaminated soil during removal activities. Perimeter air sampling was conducted by a Tetra Tech Superfund Technical Assessment and Response Team (START), State of North Carolina-accredited air monitor, to evaluate the effectiveness of engineering and safety controls in preventing the off-site migration of asbestos fibers during removal activities.





**OFFICIAL PHOTOGRAPH NO. 2**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-071

**Location:** Davidson Asbestos

**Orientation:** Northwest

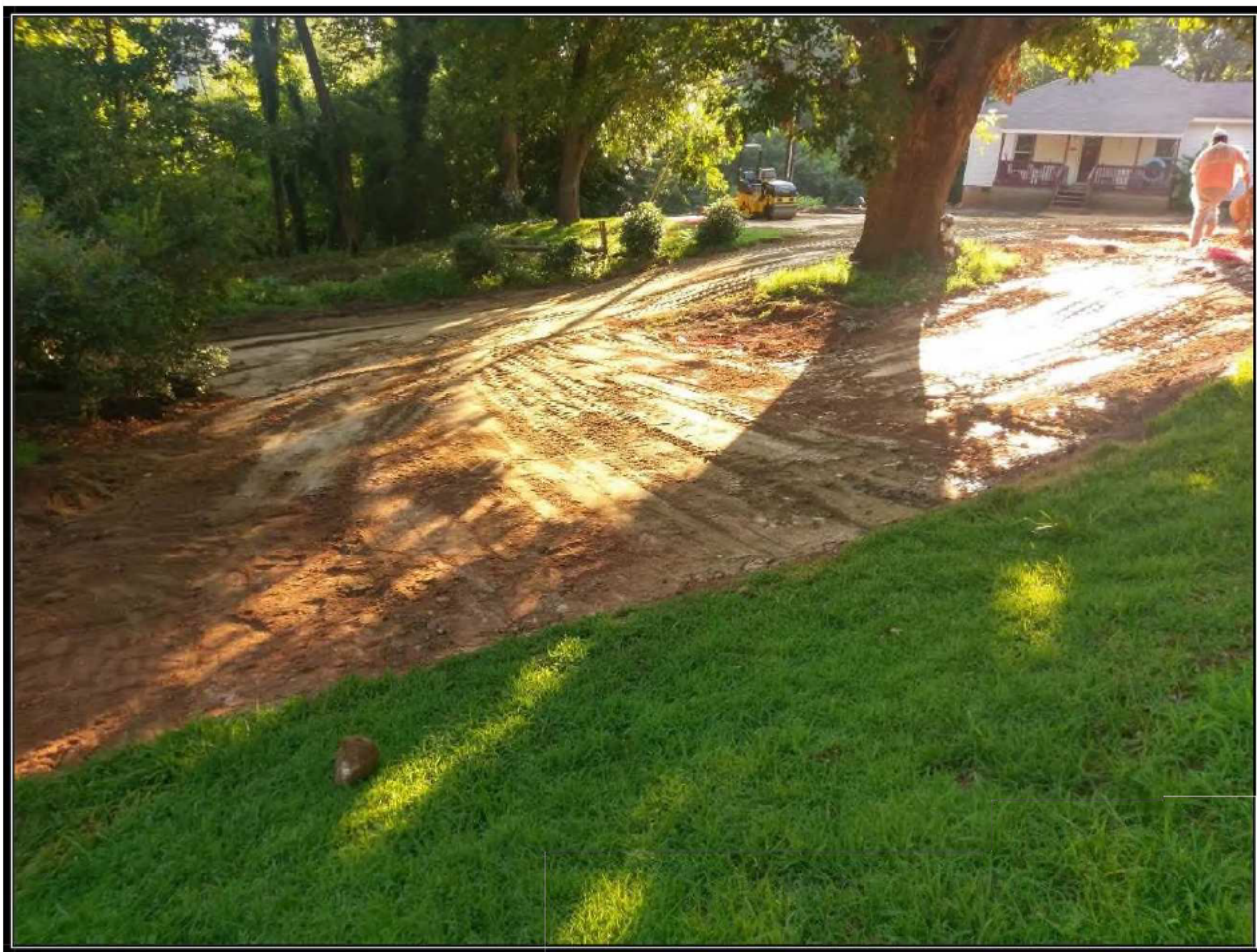
**Date:** July 11, 2017

**Photographer:** Paul Prys, Tetra Tech

**Witness:** None

**Subject:** ER installed snow fencing along the subsurface of the excavated area after the visual inspection conducted by the Tetra Tech START, State of North Carolina-accredited asbestos inspector and air monitor, detected no visible ACM in the excavated area.





**OFFICIAL PHOTOGRAPH NO. 3**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-071

**Location:** Davidson Asbestos

**Orientation:** East

**Date:** July 13, 2017

**Photographer:** Paul Prys, Tetra Tech

**Witness:** None

**Subject:** ER used dump trucks and skid steers to install backfill in the excavated areas.



**OFFICIAL PHOTOGRAPH NO. 4**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-071

**Location:** Davidson Asbestos

**Orientation:** West

**Date:** July 17, 2017

**Photographer:** Paul Prys, Tetra Tech

**Witness:** None

**Subject:** ER installed sod in the excavated lawn and tree line areas after backfill and topsoil installation were completed. ER also constructed a driveway by installing rock over the backfill located on the northern side of the lawn.





**OFFICIAL PHOTOGRAPH NO. 5**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TT-01-071

**Location:** Davidson Asbestos

**Orientation:** Northwest

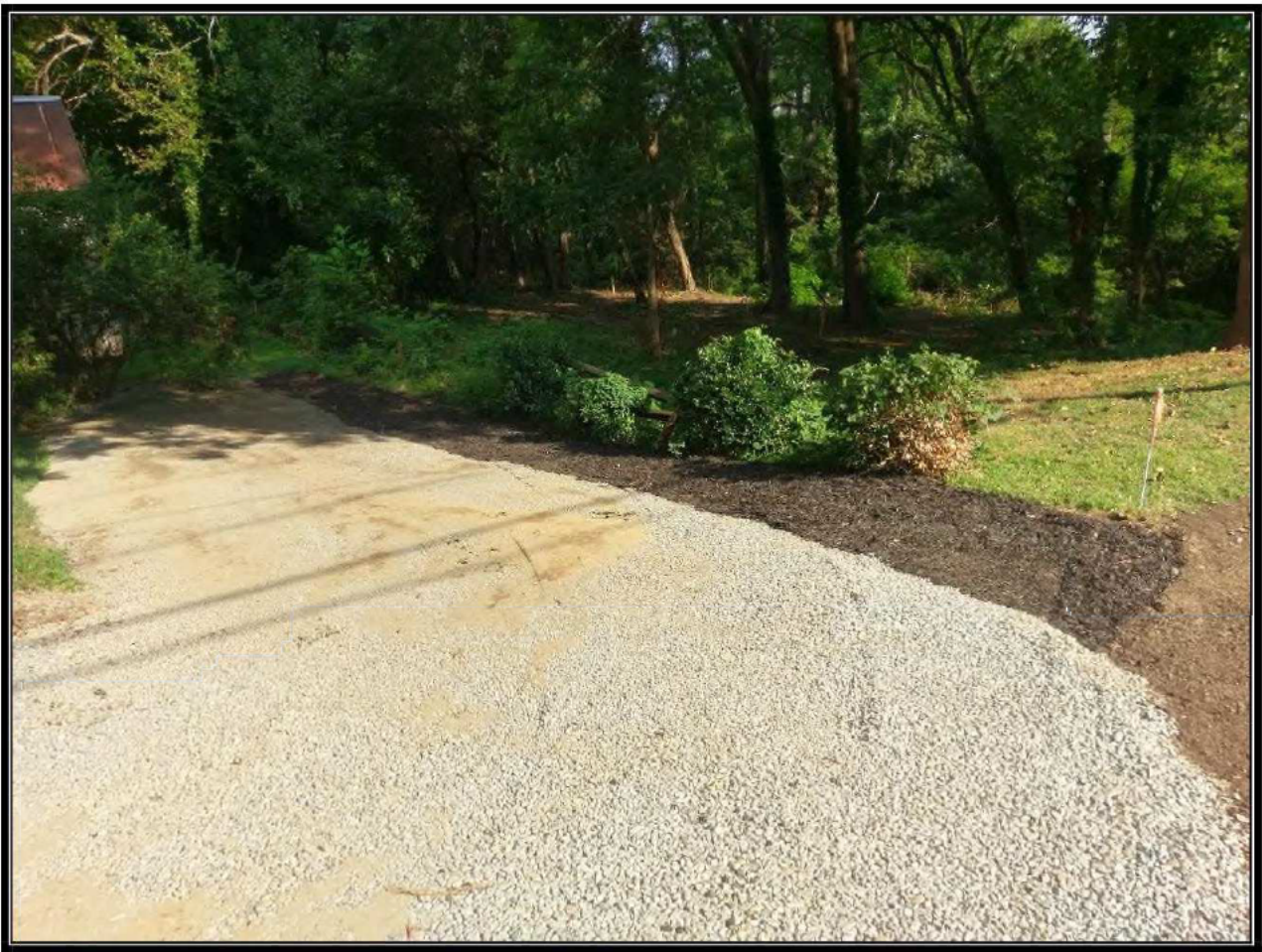
**Date:** August 8, 2017

**Photographer:** Paul Prys, Tetra Tech

**Witness:** None

**Subject:** ER removed a portion of the rock from along the northern driveway and replaced it with mulch to construct a public pathway.





**OFFICIAL PHOTOGRAPH NO. 6**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TT-01-071	<b>Location:</b>	Davidson Asbestos
<b>Orientation:</b>	Northwest	<b>Date:</b>	August 10, 2017
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	None
<b>Subject:</b>	ER removed a portion of the rock from along the northern driveway and replaced it with mulch to construct a public pathway.		